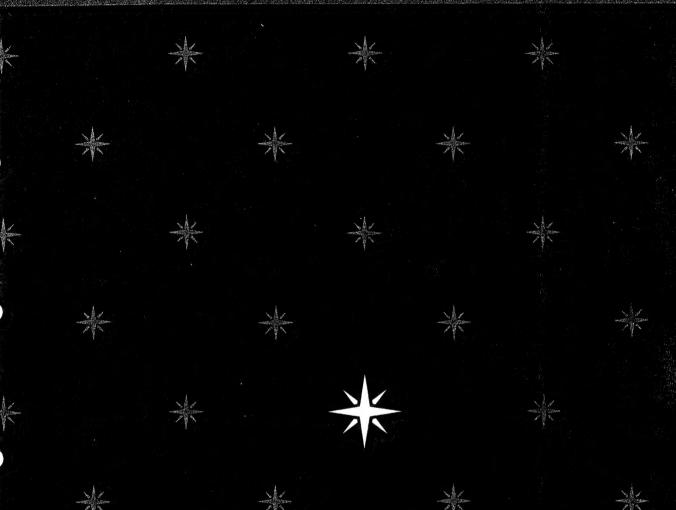
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SERVICE OTO 530



maila intize

Model @ 530

Turntable

MARANTZ DESIGN AND SERVICE

Using superior design and selected high grade components, MARANTZ company has created the ultimate in stereo sound. Only original MARANTZ parts can insure that your MARANTZ product will continue to perform to the specifications for

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> MARANTZ S.A. EUROPEAN PARTS DEPARTMENT 2, Avenue Léopold III B-7120 PERONNES-lez-BINCHE BELGIUM TWX: 57589 SEPLT B

SUPERSCOPE NATIONAL PARTS DEPARTMENT

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Phone: 1-213-998-9333

The following information must be supplied to eliminate delays in processing your order:

- Complete address
- 2. Complete part numbers and quantities required
- 3. Description of parts
- 4. Model number for which part is required
- 5. Way of shipment
- 6. Signature: any order form or telex must be signed otherwise such part order will be considered as null and void.

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MARANTZ JAPAN, INC. 35-1, 7-chome, Sagamiono Sagamihara-shi, Kanagawa Telex: 22878

All of the above locations are fully equipped to take care of your total service needs. Because various countries have differing configuration requirements, it is necessary that you contact the service facility in your particular country. In the event that there is no service location listed for your country, please, contact the nearest facility for the necessary assistance.

> In case of difficulties, do not hesitate to contact the Technical Department at abovementioned address.

NOTE-FOR U.S.A. ONLY

Parts for your MARANTZ stereo are generally available within 72 hours throughout the nation via a toll-free line to our National Parts Depot in California. The sales professionals who take your call immediately refer to their own desk top computer terminal and can quickly determine the availability and price information you require. If, for some reason, your order should exceed our available stock, we usually can instantly provide an alternate replacement part or current delivery information. When the order is placed and confirmed, the computer simultaneously generates "hard copy" orders at the distribution center. As hard copies come directly from the computer to the national parts depot, your requested stock is assembled and prepared for shipment and placed on the first available carrier for delivery to you.

Phone orders will eliminate mail delays, and we encourage the use of this method. If you order by mail, use MARANTZ parts order forms which are available from SUPERSCOPE NATIONAL PARTS DEPARTMENT.

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FEATURES

Linear Tracking Direct Drive Turntable

SPECIFICATIONS (Limit)

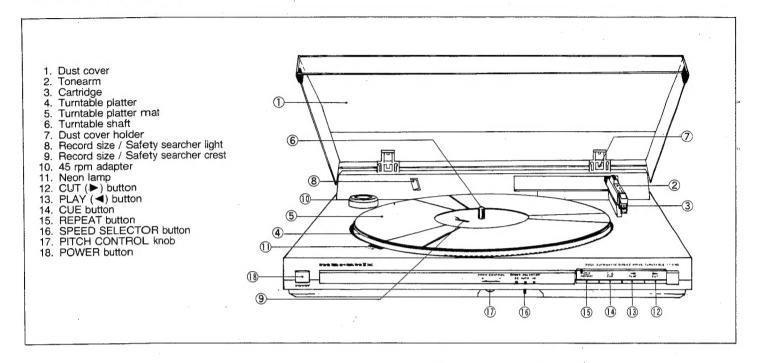
TURNTABLE		Output voltage	3 mV ±3dB at 1 KHz 3.54 cm/sec
Motor	20-pole 30-slot 3-phase brushless type DC servo controlled direct- drive motor	Channel balance Channel separation Load resistance	Within 2dB at 1 KHz More than 18dB at 1 KHz 47 KΩ
Speeds	33-1/3 and 45 r.p.m.	Weight	6 g
Speed calibration Wow & Flutter Rumble	Pitch control ±3% ±0.15% (DIN45507) 36dB DIN45539A (unweighted) 62dB DIN45539B (weighted)	OPERATION	Microcomputer-controlled fully automatic: Automatic start, return, repeat and record size
Turntable platter	296mm aluminum alloy die-cast with strobe outside rim (for 33-1/3 r.p.m.)	Cueing Muting	selector by beam sensor DC motor controlled Reed relay method avoiding
TONEARM		Speed selector	Shock noise
Effective length	130 mm	Speed Selector	Automatic selection by beam sensor (switchable for manual
Tracking error Usable cartridge	Within 0.1° Universal, P-mount type		operation)
CARTRIDGE		GENERAL	
Туре	P-mount system, with 0.6 mil stylus Induced Magnet type	Power consumption Dimensions	12 watts 416(w) × 94(h) × 346(d) mm
Frequency response		Weight	4.5 Kg(net)

NOTE: Nominal Specs represent the design specs; all units should be able to approximate these-some will exceed and some may drop slightly below these specs. Limit Specs represent the absolute worst condition which still might be considered acceptable; in no case should a unit perform to less than within any Limit Spec.

Lubrication of the mechanism is not required. However, whenever a unit is brought in for adjustment or repair, always use good common sense ... clean any dust or dirt from mechanical parts and if moving parts do seem to bind, check for dirt. If necessary, add a very fine film of light-weight specially formulated lubricant.



DESIGNATION OF PARTS



1. SHOCK, FIRE HAZARD SERVICE TEST

CAUTION: After servicing this appliance and prior to returning to customer, measure the resistance between either primary AC cord connector pins (with unit NOT connected to AC mains and its Power switch ON), and the face or front Panel of product and controls and chassis bottom.

Any resistance measurement less than 1 Megohms should cause unit to be repaired or corrected before AC power is applied, and verified before return to user/customer.

Ref. UL Standard No. 1270. Para. 66. 3. D (Mandatory Test after servicing Electrical Appliances, effective 7-1-83).

2. MECHANISM OPERATING PRINCIPLES

(A) RECORD SIZE SEARCHER MECHANISM

An optical sensor equipped with this unit automatically searches the size of record and the existence of record as well. The sensor system consists of the lamp, photo transistor and the slits on turntable platter.

One of the two slits on turntable platter has the crest which works as a shutter. When no record is placed on the platter, the Photo transistor receives light from the lamp twice a turn through the two slits; when a 17 cm record is placed, the photo transistor receives light once a turn through the slit without crest.

The pulse of light which photo transistor gets is transmitted to the microcomputer, and the pulse of light is sensed as the size or the non-existence of record by the Microcomputer (ICO3). Then the microcomputer transmits the command-signal of speed to the motor: for 30 cm record 33-1/3 rpm, for 17 cm record 45 rpm, for no record no rotation.

(B) TRACKING ERROR CORRECTION MECHANISM

The tonearm tracking error is searched by the Sensor (PC201) on Phono PWB (67-1) and the shutter plate mounted to the tonearm. The sensitivity of the sensor has been adjusted by (VR01). No tracking error point has been settled by the correct positioning of phono PWB with (VR02). The tracking error, if occurs, will be corrected as follows:

When the tracking error angle is created, the intensity of light which the sensor gets will be varied. The variety of intensity of light will be converted to the current which flows the sensor. The degree of tracking angle is almost in direct proportion to the current near 0 degree with correct adjustment of positioning.

The current will be converted to the voltage and will be then amplified so that the signal amplified starts rotating the Servo-controlled Motor (76). The rotation of the motor will be transmitted to the Worm Gear (31) by the Belt (34). The Worm Wheel Gear (35) bited the worm gear will roll the wire so that the Bracket K (47) on which the tonearm stands will be moved.



When the tonearm is moved to the position where the tracking error angle is disappeared, the shutter plate will obstruct the light to the sensor. The current will become lower, the voltage will become lower too, and then servo-controlled motor will stop rotation.

3. DISASSEMBLY INSTRUCTIONS

(A) TOOLS REQUIRED FOR DISASSEMBLY

Phillips-head screwdrivers: for M2 and M3

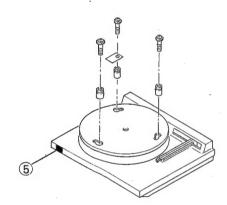
Slotted-head screwdrivers: for the width 2.5~4 and

5~7.5 mm

(B) REMOVE CASE TOP (1) AS FOLLOWS:

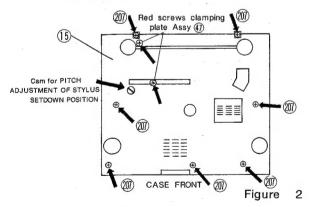
1. In case that the tonearm starts moving normally,

1-1. Press the POWER Button (5) so that the power will be switched off, and remove the turntable platter and mat (Fig. 1).



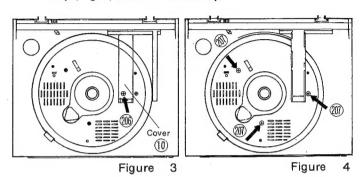
Figure

- 1-2. Place the turntable upside down on a suitable bench.
- 1-3. Remove the seven Screws (207) which mount the Case bottom (15) (Fig. 2).



- 1-4. Reverse the turntable.
- 1-5. Remove the screw (206) which mounts the Cover (10) to the Case top (1).
- 1-6. Remove the Cover (10) from the case top by drawing it (Fig. 3).
- 1-7. Press the POWER button so that the power will be switched on and remove the tonearm to the position

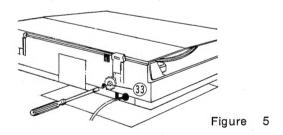
- where the Cover (10) was mounted, pressing the PLAY button
- 1-8. Press the POWER button to switch the unit off.
- 1-9. Remove the three Screws (207) which mount the case top (Fig. 4) and lift the case top.



In case that the tonearm does not start moving with trouble,

- 2-1. If the tonearm is above or on the turntable platter, turn the Pulley (33) counterclockwise through the hole referring to Fig. 5 with the slotted-head screwdriver (width $2.5 \sim 4$ mm) until tonearm moves to its rest position.
- 2-2. Remove the turntable platter and mat.
- 2-3. Follow the same steps as described above 1-2, 1-3, 1-4, 1-5 and 1-6.
- 2-4. Move the tonearm to the position where the Cover (10) was mounted, turning the Pulley (33) clockwise (Fig. 5)
- 2-5. Follow the same step as above 1-9.

NOTE: If the tonearm does not move by turning the Pulley (33) (Fig. 5), an additional force by finger should be added to the bended part of tonearm in the desired direction.



(C) REMOVE THE BRACKET K (47) AS FOLLOWS:

- 1. After removing the case top, remove Position PWB Assy (69) referring to Fig. 6.
- 2. Remove the Belt (34) between Servo-controlled Motor (76) and Pulley (33).
- 3. Remove the Sustainer K (30) referring to Fig. 7.

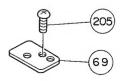


Figure 6



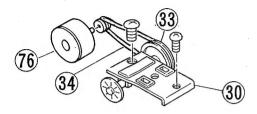
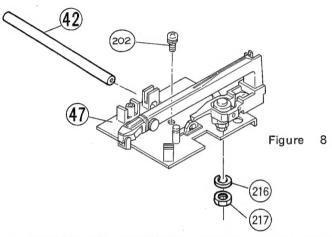


Figure 7

4. After removing the Screw (202) described in Fig. 8, remove the Bracket K (47) by lifting the left end of the Guide (42).



(D) REMOVE THE TONEARM ASSY (63) AS FOLLOWS:

- 1. Unsolder the five lead-wires on Phono PWB Assy (67) coming from tonearm.
- 2. Remove the Phono PWB Assy which is mounted to the Bracket K (47) by two Screws, (203) and (205) (Fig. 9).
- 3. Remove the Hexagon Nut (217) and Spring Washer (216) to remove the tonearm assy (Fig. 8).

NOTE: When the Phono PWB Assy (67) is mounted, make sure to refer to "NO TRACKING ERROR" adjustment (ADJUSTMENT D, page 6).

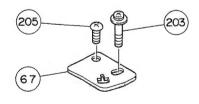
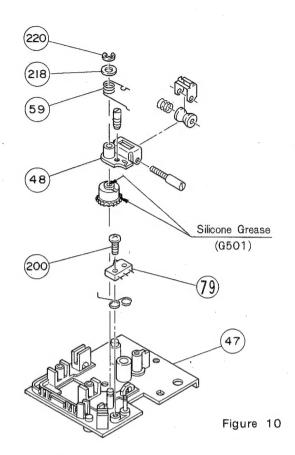


Figure 9

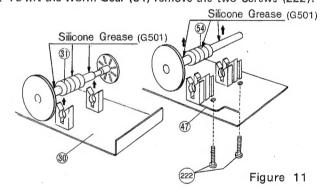
(E) REMOVE THE SWITCH (79) ON THE BRACKET K (47) AS FOLLOWS:

- 1. Remove the E type Washer (220) 2\$\phi\$ on Bracket K (47).
- 2. Remove the Washer (218) and Spring (59).
- 3. Remove the Bracket (48).
- 4. Remove the Screw (200) (Fig. 10).



(F) REMOVE THE WORM GEARS, (31) AND (54), AS FOLLOWS:

- 1. Worm gears have been press-insert mounted. When worm gears are lifted, make sure to apply an equal force to each connecting parts (Fig. 11).
- 2. To lift the Worm Gear (54) remove the two Screws (222).



4. REPLACING AND REASSEMBLY INSTRUC-TIONS

(A) REPLACE THE WIRE ASSY (38) AS FOLLOWS:

- 1. Prior to mounting, String K (38) should be rolled two turns by Wheel (35) (Fig. 12).
- 2. Place the Wheel (35) to the Shaft (36), and rotate the wheel clockwise until the starting point of the wire (slit on pulley) comes to the Point A (Fig. 13).
- 3. Rotate the wheel then counterclockwise until the point A

- comes to the point B. This position will correspond to the most left possible location of Bracket K (47).
- 4. Place the Guide (38-2) to the depressed part on case bottom (Fig. 12).

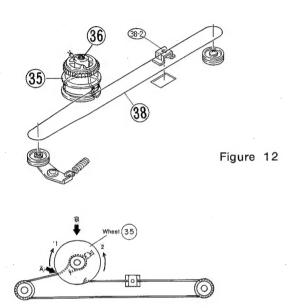


Figure 13

(B) REPLACE THE CAM (60) WITH FOLLOWING CAUTION:

When Cam (60) is replaced, make sure that the depressed part on the cam should be mounted facing with the tonearm (Fig. 14).

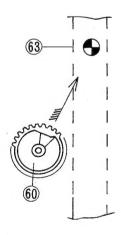


Figure 14

(C) REASSEMBLY THE WORM GEAR ASSYS, (31) AND (54), WITH FOLLOWING CAUTIONS:

1. Worm gear (54) Assy Proceing insert the Pulley (55) to the

Pressing insert the Pulley (55) to the Worm Gear (54) so that the left end of the worm gear will be on the same level as the face of the smaller circle in the pulley (Fig. 15).

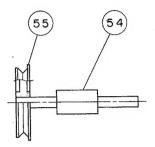


Figure 15

2. Worm gear (31) Assy

As described in Fig. 16 pressing insert the Shifter (32) and pulley to the long and short bars of Worm Gear (31) respectively. When the Shifter (32) is assembled, make sure that the left end of the bar is on the same level as the face of the shorter boss of shifter. When the Pulley (33) is assembled, press the pulley as long as it goes.

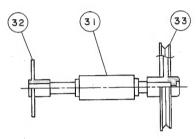
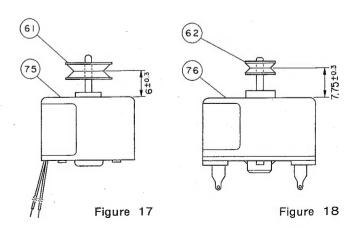


Figure 16

(D) REASSEMBLY THE MOTORS, (75) AND (76), WITH THE FOLLOWING CAUTIONS:

- 1. When the Pulley (61 or 62) is mounted to the Motor (75 or 76), make sure to have the specified clearance between the pulley and the motor referring to Fig. 17 and Fig. 18.
- 2. After mounting the pulley, apply quick-dry adhesive agent. We recommend "NEJI-LOCK SUPER, 1324B" for this assembly.

(E) TO REASSEMBLE, use DISASSEMBLY INSTRUCTIONS in reverse.

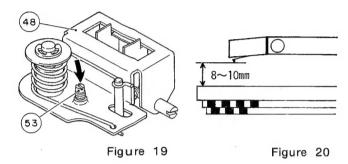


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5. ADJUSTMENTS

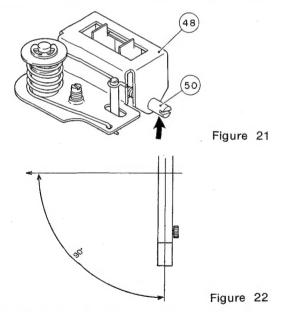
(A) STYLUS POINT HEIGHT

- Remove the case top according to DISASSEMBLY IN-STRUCTIONS (B) (page 3).
- Turn the Screw (53) described in Fig. 19 so that the clearance between stylus and turntable platter will be within 8 ~ 10 mm when the tonearm is in up position (Fig. 20).



(B) TONEARM SETUP POSITION

- Remove the case top according to DISASSEMBLY IN-STRUCTIONS (B) (page 3).
- 2. Turn the Adjuster (50) described in Fig. 21 so that the tonearm will be mounted at right angles with its moving direction (Fig. 22).
- After this adjustment, make sure to apply "NO TRACK-ING ERROR" adjustment (ADJUSTMENT D, page 6).



(C) TRACKING SENSOR SENSITIVITY

This adjustment is subject to rectifying the uneven sensitivity of Photo Interrupter (PC201) on the Phono PWB Assy (67).

NOTE: This adjustment has to be done without any direct

NOTE: This adjustment has to be done without any direct sun shine nor any strong light.

 Remove the case top according to DISASSEMBLY IN-STRUCTIONS (B) (page 3).

- Press the POWER button so that the unit will be switched on.
- Connect the D.C. voltmeter between TP1 and GND terminals on Control PWB Assy (65) (Fig. 23).

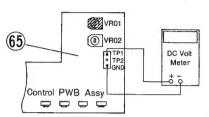
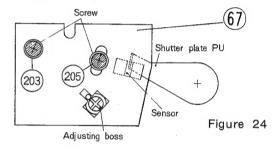
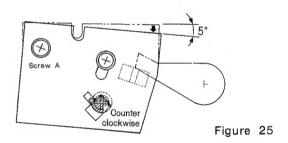


Figure 23

- 4. Slightly loosen the two Screws, (203) and (205), which fasten the Phono PWB Assy (67). (Fig. 24).
- Turn the adjusting boss counterclockwise with the screwdriver (Fig. 24).



6. Turn the Phono PWB Assy clockwise by approximately 5° with the screw A as a center (Fig. 25).



- 7. Make sure that the sensor gets enough light not being obstracted by shutter plate.
- 8. Turn the Variable Resistor (VR01) with a small size slotted-head screwdriver so that the voltmeter shows $-3.9 \sim -4.1$ volts.
- 9. After the above adjustment, make sure to apply "NO TRACKING ERROR" and "STYLUS SET-DOWN POSITION" adjustments (ADJUSTMENTS D AND E, page 6 and 7).

(D) NO TRACKING ERROR

NOTE: This adjustment has to be done without any direct sun shine nor any strong light.

- Remove the case top according to DISASSEMBLY IN-STRUCTIONS (B) (page 3).
- Press the POWER button so that the unit will be switched on.

- Connect the D.C. voltmeter between TP1 and GND terminals on Control PWB Assy (65) (Fig. 23).
- 4. Slightly loosen the two Screws, (203) and (205), which fasten the Phono PWB Assy (Fig. 24).
- 5. Turn the adjusting boss with a screwdriver so that the voltmeter shows $-1.6 \sim -2.0$ volts.
- Disconnect the D.C. voltmeter and re-connect it between TP2 and GND terminals on Control PWB Assy (Fig. 26).

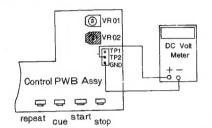


Figure 26

- Without placing the turntable platter, press the START button so that the tonearm starts moving.
- 8. Press the CUE button so that the tonearm lifts after stylus set-down.
- 9. Turn the Variable Resistor (VR02) with a screwdriver so that the voltmeter shows $-1.9 \sim -2.1$ volts.
- Press the CUE button so that the tonearm descends and press the CUT button for tonearm return to its rest.
- 11. After above adjustment, make sure to apply "STYLUS SET-DOWN" adjustment (ADJUSTMENT E, page 7).

(E) STYLUS SET-DOWN POSITION

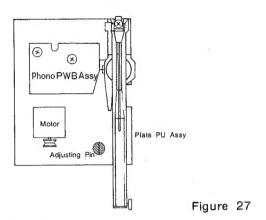
- Remove the case top according to DISASSEMBLY IN-STRUCTIONS (B) (page 3).
- 2. Press the POWER button so that the unit will be switched on.
- 3. Place the turntable platter and mat.
- 4. Use the first face of NEC test record ES-1008 for this adjustment. Press the PLAY button; turntable starts rotation, the tonearm will move and descend onto a record.
- 5. Turn the adjusting pin described in Fig. 27 so that the stylus set-down position will be counted between 15 and 17 points.
- Using the second face of the test record ES-1008 make sure that the automatic return position will be counted between 19 and 22 points.

NOTE: After the above steps, no adjustment for 17 cm records is required. However, to settle the specified counting position by the first time adjustment may be difficult. Apply several times adjustments to confirm the above specified position.

(F) PITCH ADJUSTMENT OF STYLUS SET-DOWN POSITION

After fundamental adjustment mentioned above (E), pitch adjustment of stylus set-down position is available without removing the case top.

- 1. Place the unit upside down on a suitable bench.
- Stylus set-down position can be adjusted by rotating the cam through the hole which is marked in Fig. 2 with a slottedhead screwdriver.
- 3. Counterclockwise turn moves the set-down position inward; clockwise turn moves the set-down position outward.



6. TROUBLESHOOTING

(A) THE STROBE LIGHT DOES NOT TURN ON

Measure the voltage between 4 and 5 terminals on Power PWB Assy (70) with A.C. voltmeter.

- * Local voltage is supplied: (R501), Neon Lamp (71-2) or Lead-wire is defective.
- * Different voltage from local one or no voltage is supplied: Power Supply Cord (73), Power Switch (SW501) or Fuse (70-2) is defective.

(B) THE RECORD SIZE SEARCHER LIGHT DOES NOT TURN ON

Measure the voltage between GND and each ±9 volts terminals, (J10) and (J12), on Control PWB Assy (65) with D.C. voltmeter

- Approx. ±9V is supplied: Measure the voltage between 1 and 2 terminals on Position PWB (69-1) with D.C. voltmeter.
 - Approx. 18V is supplied: Lamp (78) or Lead-wire is defective.
 - * Too short voltage is supplied: Cord Assy 6P (69-2) or connector is defective.
- Quite different voltage from +9V is supplied: (Q01), (Q02) or (Q03) is defective.
- Quite different voltage from -9V is supplied: (Q04),
 (Q05) or (Q06) is defective.

(C) THE TURNTABLE DOES NOT START ROTATION AFTER PLACING THE RECORD

Check to see that the base-voltage at (Q19) is approx. +9V when tonearm returns to its rest upon STOP button being pressed, and the voltage is lowered by approx. 0.6V upon PLAY button being pressed.

- * Yes: (Q33), Cord Assy 7P (65-3) or Direct-drive Motor (77) is defective.
- * No: (IC03) or (R44) is defective.

(D) STYLUS SET-DOWN POSITION IS NOT CORRESPONDING TO THE RECORD SIZE

Check to see that the collector voltage at (Q24) against GND will be changed from approx. +9V to approx. 0V when the light through the slit on the turntable platter reaches to the Photo Transistor (Q301) on Record PWB Assy (68).

NOTE: Make sure that no outside light will be reached to photo transistor during the measurement. Use D.C. voltmeter or oscilloscope for the measurement.

- * No change: Photo Transistor (Q301), Cord Assy 6P (69-2) or (Q24) is defective.
- * Changing: (ICO3) is defective.

NOTE: After replacement the part, the adjustment according to ADJUSTMENT (E) on page 7 should be applied.

(E) TONEARM MOVES TOO INSIDE UPON PLAY BUTTON BEING PRESSED

Check to see that the collector voltage at (PC401) against GND with the oscilloscope will be changed by 8 pulses per one turn (from approx. +9V to approx. 0V) according to the turn of Shifter (32) which has 8 slits.

- * No change or small number of pulse: (PC401), Cord Assy 6P (69-2), (Q21), (Q22) or (Q23) is defective.
- * Changing: (IC03) is defective.

INFORMATION: The (ICO3) acknowledges that the tonearm moves to the stylus set-down and/or return position when the number of the pulse from the start point corresponds to

the number programmed beforehand. After the acknowledgement, (ICO3) will supply the necessary signal for various movement according to the position of tonearm.

(F) NO SOUND FROM THE LOUD SPEAKER

Measure the value of resistor between Output Shield Wire (74) and its shielded part,

- * 0 ohm: The Circuit (65) or (67) is shortage or muting relay is defective.
- * Approx. ∞ ohm: The dead circuit or defective cartridge.

(G) NO MUTING WORKS UPON STYLUS UP ACTION

Check to see that the base-voltage at (Q17) against GND is approx. +9V when tonearm is in up position upon CUE button being pressed, and the voltage is lowered by approx. 0.6V upon CUE button being pressed again.

- * Yes: (Q17), (Q32) or muting relay is defective.
- * No: (ICO3) is defective.

(H) THE TONEARM MOVES LEFT-WARD UPON UP AND DOWN ACTIONS

Apply ADJUSTMENTS (C), (D) and (E) (page 6 and 7).

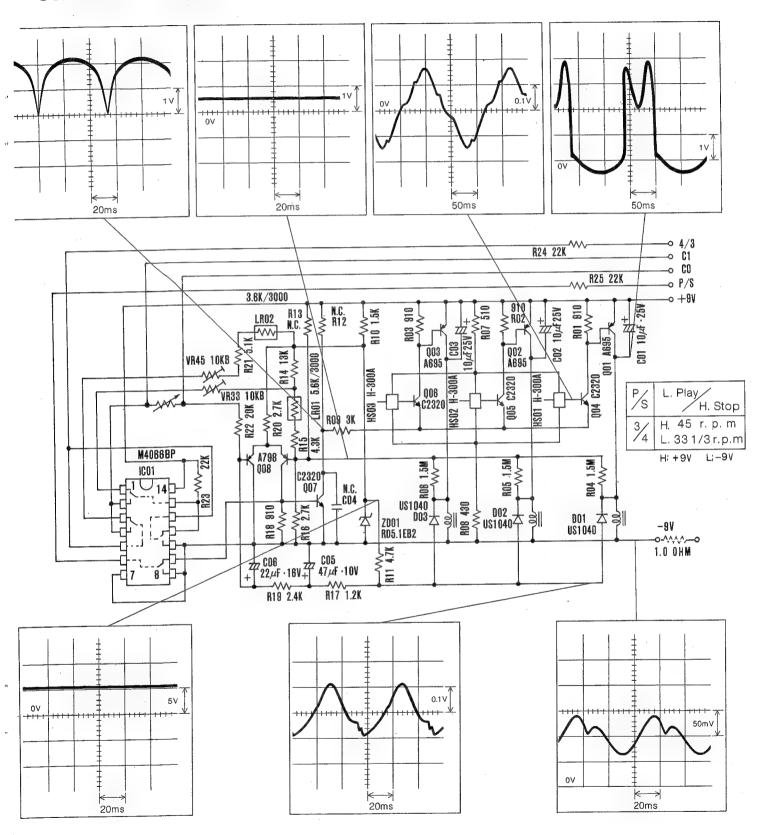
(I) THE STYLUS KICKS THE RECORD UPON ITS UP ACTION

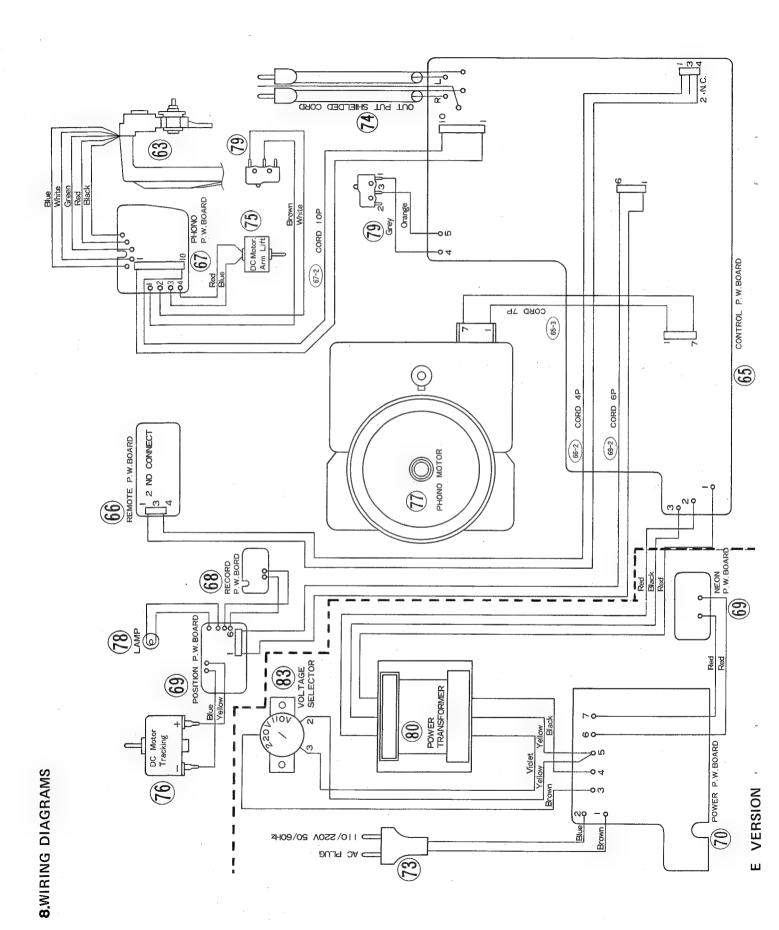
Apply ADJUSTMENTS (C), (D) and (E) (page 6 and 7).

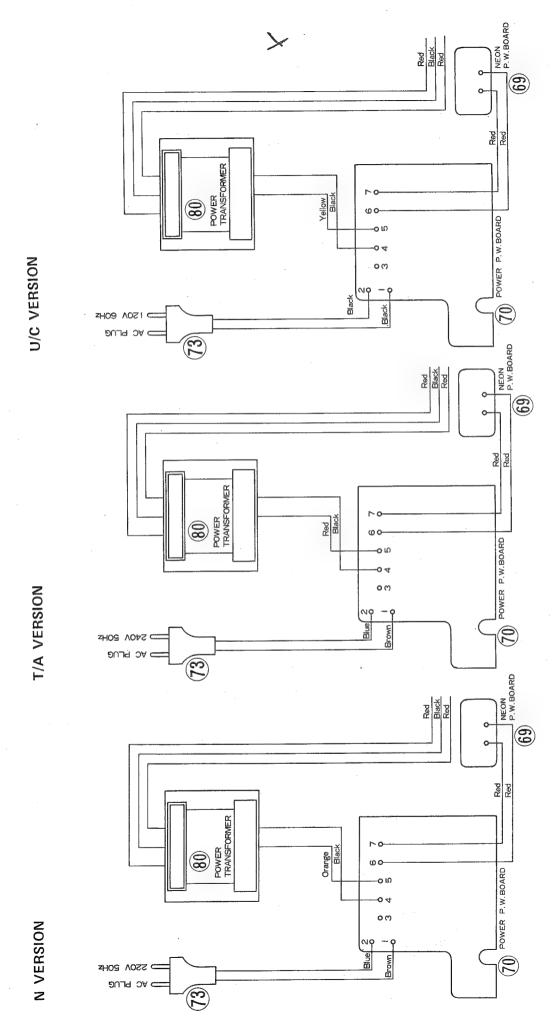
NOTE: The extent up to 0.2 mm fall within the specification settled. If the pitch of the record groove increases, this figure tends to increase.

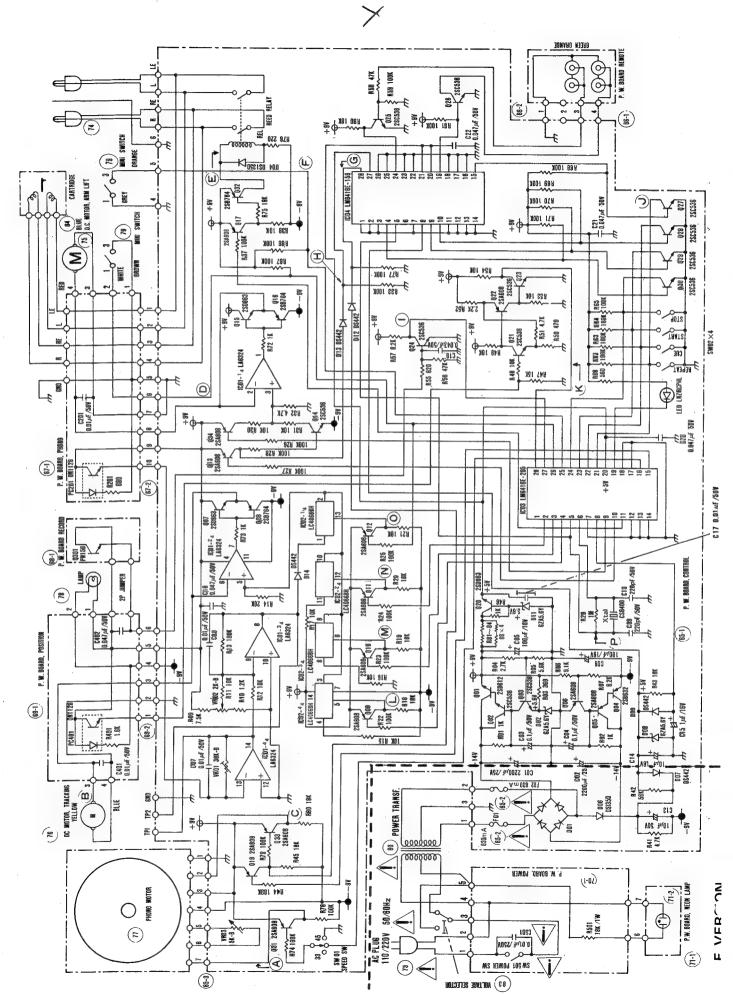
>

7. SCHEMATIC DIAGRAM (Phono Motor)

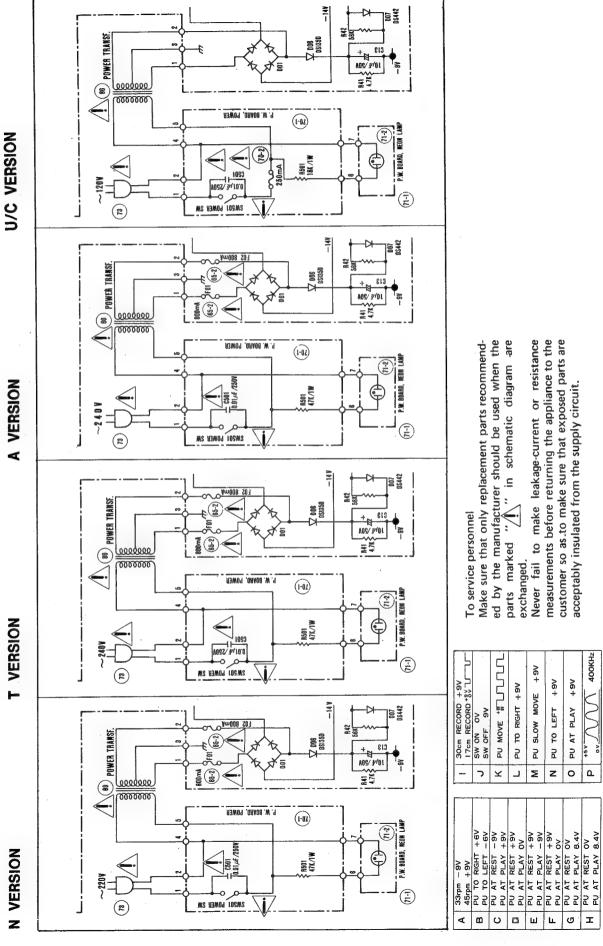










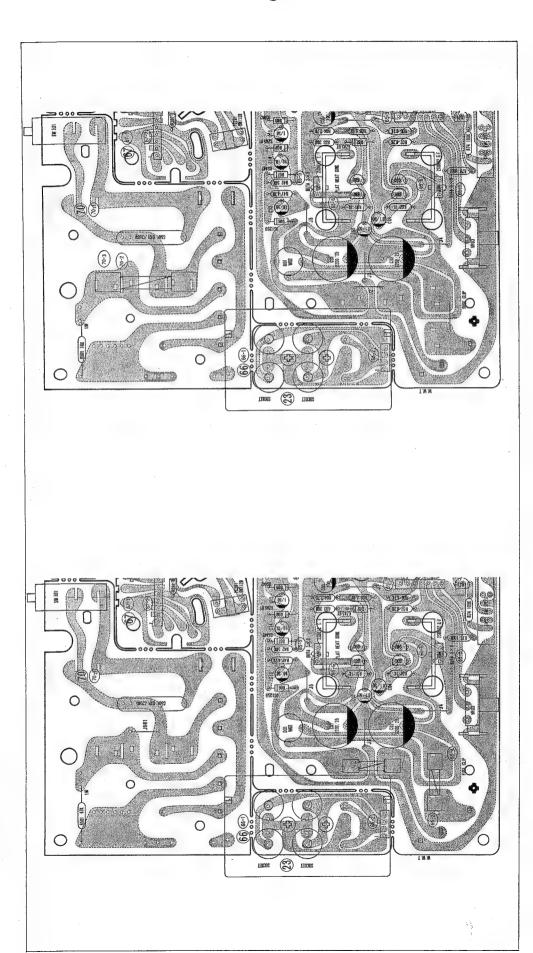


SOCKEL (S)

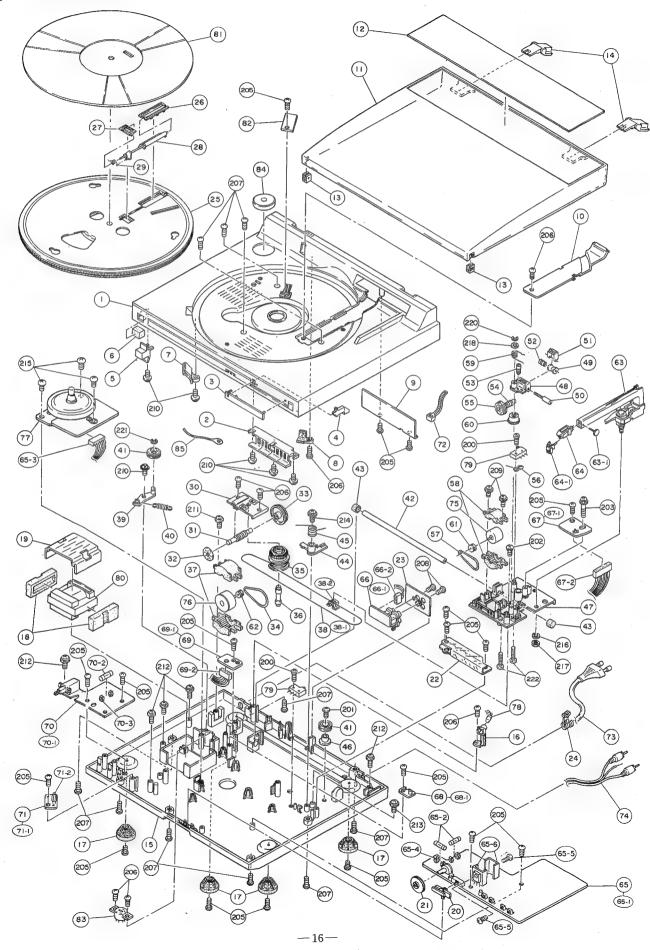
(RF-ETI)

0

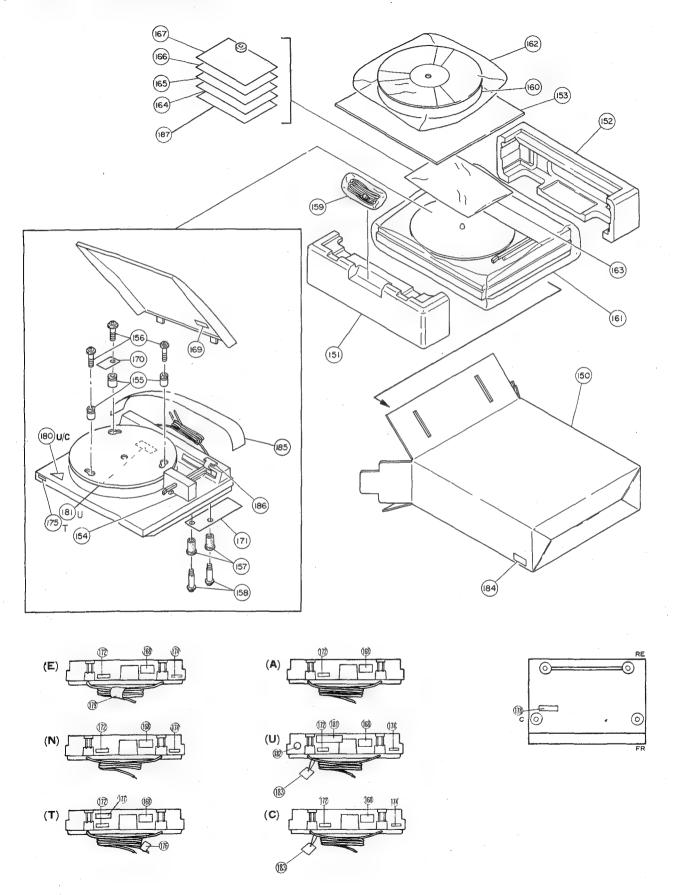
10. PRINTED WIRING BOARDS



11. (C01-99) EXPLODED VIEW



12. (HO1-99) PACKING MATERIALS



(E): for Europe (N): for Europe (T): for England (A): for Australia (U): for U.S.A. (C): for Canada

13. PARTS LIST

	Q'TY						1		1	1		Q'T	~		_	1			
REF. DESIG.	E			A	υ	1	c	PART NO.	DESCRIPTION	REF. DESIG.	E	N		A	U	С	PART NO.	DESCRIPTION	
1 2	1 1	1	1	1	1 1			427Z064010 427Z270010	Case Top Button, Rep/Cue/Play/Cut	57	1 2	1	1	1	1	1	427Z264020	Belt Cover (Small), PU up/down	
3	1	1	1	1	1		- 1	427Z063010	Escutcheon	58	2	2	2	2	12	12	427Z053070	Motor	
4	1	1	1	1	1			427Z265010	Indicator	59	1	1	1	1	1	1	427Z115060	Spring	
5	1	1	1	1	1			427Z270020	Button, Power	60	1	1	1	1	1	1	427Z054010	Cam	
6	1	1	1	1	1		- 1	427Z809010	Cushion	61	1	1	1	1 '	1		427Z262040	Pulley, PU Motor	
7	1	1	1	1	1		- 1	427Z053020	Cover, Strobe	62	1	1	1	1 .	1	1	427Z262050	Pulley, Servo Motor	
8	1	1	1	1	1			427Z053030 427Z053040	Cover, Rec. Size	63 63	1	1	1	1	1	1	PA220001AR PA220002AR		
10	1	1	1	1	1			427Z053040 427Z053050	Cover, Case	63-1	1	1	1	1	1			Tonearm Screw, Cartridge	
"	1	'	'	'	1	1		12,200000	3000., 3000	64	1	1	1	!	11			Cartridge	
11	1	1	1	1	1	1		427Z053010	Cover, Dust cover	64-1	1		1					Stylus	
12	1	1	1	1	1			427Z063020	Escutcheon, Dust cover										
13	2	2	2	2	2	2	2	427Z252010	Pad, Dust cover	1	1	1	1			1		P.W.B Kit	
14 15	2	2	2	2	2	1		427Z153010 427Z064020	Hinge Case, Bottom	 		1	1	1			ZZ427Z1700	P.W.B Kit Ass'y	
15	1	'	1	'	1			427Z064030	Case, Bottom		1				1	1	ZZ427Z2700 ZZ427Z3700	P.W.B Kit Ass'y P.W.B Kit Ass'y	
16	1	1	1	1	1	- 1	- 7	427Z271010	Holder						'	'	2242723700	F.W.B KIL ASS Y	
17	4	4	4	4	4			427Z057010	Leg	65-1	1	1	1	1	1	1	YH427Z1710	P.W.Board, Control	
18	2	2	2	2	2			427Z809010	Cushion	65	'	1	1	1	Ι.	1.	ZZ427Z1710	P.W.B Ass'y, Control	
19	1	1	1	1	1	1	1	427Z271020	Holder	65	1						ZZ427Z2710	P.W.B Ass'y, Control	
						1		4277154010	Kash Speed Change	65				1	1	1	ZZ427Z3710	P.W.B Ass'y, Control	
20 21	1	1	1	1	1			427Z154010 427Z154020	Knob, Speed Change Knob, Pitch Control			1	1.			1	VIII 40774700		
22	1	1	1	1	1	- 1		427Z051010	Guide, Tonearm Wire	66-1 66	1	1	1	1	1	1	YH427Z1720 ZZ427Z1720		
23	1	1	1	1	1			427Z265020	Indicator	66	1	'	Ι'	1'			ZZ427Z1720 ZZ427Z2720	P.W.B Ass'y, Remote P.W.B Ass'y, Remote	
24	1	1	1	1		1	1	427Z259010	Bush	66	'	.			1	1	ZZ427Z3720	P.W.B Ass'y, Remote	
24					1	- 1	.	427Z259020	Bush			1							
25 26	1	1	1	1	1			427Z165010 427Z271030	Turntable Holder, Rec. Size	67-1	1	1	1	1	1	1	YH427Z1730		
27	1	1	1	1	1			427Z271040	Holder, Rec. Size	67 67	1	1	1	1			ZZ427Z1730		
28	1	1	1	1	1		1	427Z354500	Lever K, Rec. Size	67	'			'	1	1	ZZ427Z2730 ZZ427Z3730	P.W.B Ass'y, Phono P.W.B Ass'y, Phono	
						1					1	İ						,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
29	1	1	1	1	1	- [427Z115010	Spring, Rec. Size	68-1	1	1	1	1		1			
30 31	1	1	1	1	1			427Z106500 427Z058010	Sustainer K, Worm Gear (1), Worm	68	١.	1	1	1			ZZ427Z1740	P.W.B Ass'y, Record	
32	1	1	1	1	1			427Z110010	Shifter	68 68	1				1	1	ZZ427Z2740	P.W.B Ass'y, Record	
33	1	1	1	1	1			427Z262010	Pulley, Servo Cont.	00					1	'	ZZ427Z3740	P.W.B Ass'y, Record	
34	1	1	1	1	1		- 1	427Z264010	Belt, Servo Cont.			ı					1		
35	1	1	1	1	1	- 1	- 1	427Z266010	Wheel, Steel Wire	69-1	1	1	1	1	1	1	YH427Z1750		
36 37	1 2	1 2	1 2	1 2	1 2		- 1	427Z112010 427Z053060	Shaft Cover, (Large), Servo Cont.	69		1	1				ZZ427Z1750	P.W.B Ass'y, Position	
37	12	2	12	-	12	1		4272033000	Motor	69	1				,	1	ZZ427Z2750	P.W.B Ass'y, Position	
38	1	1	1	1	1	1		427Z006500	String K, Steel Wire	69	-				'	'	ZZ427Z3750	P.W.B Ass'y, Position	
										70-1	1	1	1	1	1	1	YH42771760	P.W.Board, Power	
38-1	1	1	1	1	1			427Z006010	String, Steel Wire	70	.	1	1	1		1	ZZ427Z1760	P.W.B Ass'y, Power	
38-2 39	1	1	1	1	1			427Z051040 427Z354510	Guide, Steel Wire Lever K, Steel Wire	70	1						ZZ427Z2760	P.W.B Ass'y, Power	
40	11.	i	1	1	1	- 1		427Z115020	Spring, Wire Pulley	70					1	1	ZZ427Z3760	P.W.B Ass'y, Power	
41	2	2	2	2	2		2	427Z262020	Pulley, Steel Wire	71-1	1	1	1	1	1	1	YH427Z1770	P.W.Board, Neon Lamp	
42	1	1	1	1	1		3	427Z051020	Guide, Tonearm Block	71	Ι'	i	1	1	'	Ι'	ZZ427Z1770	P.W.B Ass'y, Neon Lamp	
43	2	2	2	2	2			427Z809020	Cushion, Tonearm Guide	71	1						ZZ427Z2770	P.W.B Ass'y, Neon Lamp	
44 45	1	1	1	1	1 1		- 1	427Z002010 427Z115030	Arm, Tonearm Slide SW. Spring	71					1	1	ZZ427Z3770	P.W.B Ass'y, Neon Lamp	
46	1	1	1	1	1		- 1	427Z118010	Spacer, Wire Pulley										
																		CONTROL CIRCUIT	
47	1	1	1	1	1	1		427Z160500	Bracket K, Tonearm	ļ ·							(1	BOARD	
48	1	1	1	1	1			427Z160010	Bracket, Tonearm up/down	65-1	1	1	1	1	1	1	YH427Z1710	P.W.Board, Control	
49	1	1	1	1	1		- 1	427Z051030	Guide, Tonearm	65		1	1	1			ZZ427Z1710	P.W.B Ass'y, Control	
50	1	1	1	1	1			427Z164010 427Z269010	Adjuster Protector	65	1						ZZ427Z2710	P.W.B Ass'y, Control	
51 52	1	1	1	1	1	1	- 1	427Z115040	Spring	65					1		ZZ427Z3710	P.W.B Ass'y, Control	
53	1	1	1	1	1			427Z010010	Screw	∆ 65-2	1	2	2	2	1	Н	FS10080800	Fuse, 800mAT	
54	1	1	1	1	1	1	1	427Z058020	Gear (2), Worm	∆ 65-2	2		-	[FS10063800	Fuse, 630mAT	
55	1	1	1	1	1	1		427Z262030	Pulley	65-3	1	1	1	1	1	1	YB001006AR	Connective Cord, 7P	
56	1	1	1	1	1	1		427Z115050	Spring, Cam	65-4	4	4	4	4			YJ080003AR	Jack, Fuse Holder	
										65-5 65-6	2	2	2			2	427Z010180 427Z267010	Screw, φ3 x 6 Heat-Sink	
										55-5	-	-	_	-	-	-	72/220/010	LIGGE-DILIK	
L						_					Ш				<u> </u>				

(E): for Europe (N): for Europe (T): for England (A): for Australia (U): for U.S.A. (C): for Canada

PARTS LIST

REF.			Q'T	Y			PART NO.	DESCRIPTION	REF.			Q"	ΓY	•		DART NO	DESCRIPTION
DESIG.	Е	N	Т	A	U	C	1 1	5155mm 115m	DESIG.	E	N	Т	1	A L	C	PART NO.	DESCRIPTION
C01	1	1	1	1	1	1	EA2280251R	CAPACITORS Elect. 2200µF 25V	R46 R47	1	1	- 1		1 1		GD05102140 GD05153140	1ΚΩ 15ΚΩ
C02	1	1	1	1	1	1	EA2280251R	Elect. 2200µF 25V	R48	1		1	- 1	1 1		GD05103140	10ΚΩ
C03	1	1	1	1	1	1	EA10405030 EA10405030	Elect. 0.1μF 50V Elect. 0.1μF 50V	R49 R50	1	1	1	1	1 1 1 1	,	GD05103140 GD05471140	10KΩ 470Ω
C04 C05	1	1	1	1	1	1	EA10701630	Elect. 100µF 16V	R51	1	1		1	1 1		GD05477140	4.7KΩ
C06	1	1	1	1		1	EA10701630	Elect. 100µF 16V	R52	1	i	1 '		1 1	1.4	GD05222140	2.2ΚΩ
· C07	1	1	1	1	1	1	DK18103320	Ceramic 0.01µF +80, -20%	R53	1	1	1	1.	1 1	1	GD05103140	10ΚΩ
C08	1	1	1	1	1	1	DK18103320	Ceramic 0.01µF +80, -20%	R54	1	1	- 1		1 1	1		10ΚΩ
C09 C10	1	1	1	1	1	1	DK16221300 DK16221300	Ceramic 220pF ±10% Ceramic 220pF ±10%	R55	1	1	1		1 1	1	GD05821140	820Ω
					1.			50 . 40 5 500	R56	1	1			1 1	- 1	GD05473140	47ΚΩ
C13	1	1	1	1	1	1	EA10605030	Elect. 10 F 50V	R57	1	1	1	4	1 1	- 1		8.2KΩ
C14 C15	1	1	1	1	1	1	EA10601630 EA10505030	Elect. 10μF 16V Elect. 1μF 50V	R58 R59	1 1	ŧ i	1	- 1	1 1			47KΩ 100KΩ
C17	1	1	1	1	1	1	DK18103320	Ceramic 0.01 µF +80, -20%	R60	1	1	1 :	- 1	i li	- 1		18ΚΩ
C18	1	1	1	1	1	1	DK18473320	Ceramic 0.047µF +80, -20%	R61	1	1	1	1	1 1	1	GD05104140	100ΚΩ
C19	1	1	1	1	1	1	DK18473320	Ceramic 0.047µF +80, -20%	R62	1	1		-1	1 1	- 1 :		100ΚΩ
C20	1	1	1	1	1	1	DK18473320	Ceramic $0.047\mu\text{F} + 80, -20\%$	R63	1	1	1 .	1	1 1		1	100ΚΩ
C21	1	1	1	1		1	DK18473320	Ceramic 0.047µF +80, -20%	R64 R65	1 1	1	- 1	- 1	1 1 1 1	1		100ΚΩ
C22	1	1	1	'	1	1	DK18473320	Ceramic 0.047µF +80, -20%	1100	'	'	'		Ϊ.		0.00101140	1001/22
1				ļ				RESISTORS	R66	1	1	- 1	- 1	- 1	1		100ΚΩ
	ļ	}		1				(All Resistors are ±5%	R67	1	1		- 1	1 1	- 1		100ΚΩ
			1		1			and 1/4W)	R68	1 1	1	1	- 1	1 1 1 1	ł		100ΚΩ 100ΚΩ
	١.					1	CD0E102140	11/0	R69 R70	1	1		- 1	1 1	- 1		100ΚΩ
R01	1	1	1	1	1	1	GD05102140 GD05102140	1ΚΩ 1ΚΩ :	R71	1		- 1	- 1	1 1		1	100ΚΩ
R02	1	1	1	1	1	1	GD05361140	360Ω	R72	1	1	- 1	- 1	1 1			1ΚΩ
R04	1	1	1	1	1	1	GD05272140	2.7ΚΩ	R73	1	1	1		1 1	1		1ΚΩ
R05	1	1	1	1	1	1	GD05562140	5.6KΩ	R74	1	1	- 1	- 1	1 1	1		100ΚΩ
R06	1	1	1	1	1	1	GD05912140	9.1ΚΩ	R75	1	1	1		1 1	1	GD05183140	18ΚΩ
R07	1	1	1	1	1	1	GD05822140 GD05561140	8.2KΩ 560Ω	1								
R08	1	1	1	1			GD05361140	7.5ΚΩ	R76	1	1	- 1	- 1	1 1	- 1		220Ω
R10	1	1		1	1 .	1	GD05122140	1.2ΚΩ	R77	1	1	- 1	- 1	1 1	- 1		100ΚΩ
1	1	'							R78 R79	1 1	1	- 1		1 1 1 1	1		100ΚΩ 100ΚΩ
R11	1	1	1	1	1	1	GD05103140	10ΚΩ	R80	i	1	- 1	- 1	i i	- 1		18ΚΩ
R12	1	1	1	1		1 .		10ΚΩ	R81	1	1	1	1	1 1	1	GD05680140	68Ω
R13	1	1	1	1	1			100ΚΩ	R82	1	1	1 '		1 1	1		68Ω
R14	1	1	1	1	1 .			20ΚΩ 10ΚΩ	R83	1	1		- 1	1 1	- 1		68Ω
R15	1	,	1)		1		10ΚΩ	R84	1	1	1		1 1	1	GD05060140	68Ω
R16	1	4	1					10ΚΩ	VR01	1	1	1	-	1 1	1	RA03030800	Trimming 30KΩ
R18	1		1 .			\$		18ΚΩ	VR02	1	1	t		1 1			Trimming 2KΩ
R19 R20	1	1 1						18ΚΩ 18ΚΩ	VR03	1	1	1		1 1	1	RK050202AR	Variable 5KΩ (B)
R21	1	1	1	1	1	1	GD05183140	18ΚΩ						ĺ			SEMICONDUCTORS
R22	1	1	1	1	1 .	1	GD05104140	100ΚΩ	IC01	1	1	1			- 1	HC10135030	IC, LA6324
R23	1	1	1	1		- 1		100ΚΩ	1C02	1			1	1 1		HC406603C0	IC, LC4066BH
R24	1	1	1	1	1.	1		100KΩ	IC03	1		- 1	1	1 1	- 1	HC100021AR	,
R25	11	1	1	1	1 .	1	GD05104140 GD05104140	100KΩ 100KΩ	1C04	1	1	1		1 1	1	HC10102030	IC, LM6416E-156
R26	1	1 1		1	1 .	1		100ΚΩ	Q01	1	1	1	1	1 1	1	HT406122AR	Transistor, 2SD612(E, F)
R28	1	1	1	1		1		100ΚΩ	002	1	1			1 1	- 1 -	HT305362B0	Transistor, 2SC536NP (E, F)
R29	1	1	1 -	1	1	1	GD05105140	1MΩ	003	1	1	1 .		1 1	1	HT305362B0	Transistor, 2SC536NP (E, F)
R30	1	1	1	1	1	1	GD05103140	10ΚΩ	Ω04	1	1		1	٠ ,			
504		1		1.	1	4	GD0E103140	10ΚΩ	Q05	1.	1	1	1	1 1			Transistor, 2SA608NP (E, F)
R31 R32	1	1	1	1	,	1	GD05103140 GD05472140	4.7ΚΩ	Q06 Q07	1	1	i		1 1 1 1	F		Transistor, 2SA608NP (E, F) Transistor, 2SD863 (E, F)
R32	1	1	1	1		1		100ΚΩ	Q08	1	1	1 :	1	' '	- 1		Transistor, 2SB764 (E, F)
R37	1	1	1	1		1	GD05104140	100ΚΩ	009	1	1	1	1		- 1	HT106082AR	Transistor, 2SA608NP (E, F)
R38	1	1	1	1		1	GD05103140	10ΚΩ	Q10	1	1	1	1	1 1	1	HT106082AR	Transistor, 2SA608NP (E, F)
R41	1	1	1	1		1	GD05472140	4.7ΚΩ							1		
R42	1	1	1	1	i	1		56KΩ						1			
R43	1	1	1 1	1		1	GD05103140 GD05104140	10ΚΩ 100ΚΩ]								
R44	1	1	1			1	GD05183140	18ΚΩ									
N43	'	<u></u>	<u> </u>	1.	Ľ.	L'	3500,00170				L		1		1.	1	4

(E): for Europe (N): for Europe (T): for England (A): for Australia (U): for U.S.A. (C): for Canada

PARTS LIST

DEC	e O'TY								REF.		-	2'Τ	Υ		-	DAOT NO	DECORIDATION	
REF. DESIG.	E	N	Т	A	L	J	С	PART NO.	DESCRIPTION	DESIG.	E	N	Т	A	U	С	PART NO.	DESCRIPTION
Q11	1	1	1	1	1	1	1		Transistor, 2SA608NP (E, F)	C201	1	1	1	1	1	1	DK18103320	Ceramic 0.01µF+80, -20%
	1	1	1	1	1		1	HT106082AR HT106082AR	Transistor, 2SA608NP (E, F) Transistor, 2SA608NP (E, F)	R201	1	1	1	1	1	1	GD05681140	680 Ω 1/4W ±5%
Q14	1	1	1	1	1		1	HT305362B0	Transistor, 2SC536NP (E, F)	PC201	1	1	1	1	1	1	HW100001AR	Photo Unit, ON1128
Q15 Q16	1	1	1	1	1		1	HT408632B0 HT207642B0	Transistor, 2SD863 (E, F) Transistor, 2SB764 (E, F)	67-2		1	1	1	1	1	YB004003AR	Connective Cord, 10P
Q17	1	1	1	1	1	- 1	1	HT106082AR	Transistor, 2SA608NP (E, F)	07-2	1	'	Ι'	'	'	'	18004003/11	
Q19	1	1	1	1	1	1	1	HT106082AR HT408632B0	Transistor, 2SA608NP (E. F) Transistor, 2SD863 (E, F)				1					RECORD CIRCUIT
Q20 Q21	1	1	1	1	1		1	HT305362B0	Transistor, 2SC536NP (E, F)	68-1	1	1	1	1	1	1	YH427Z1740	P.W.Board, Record
				1	١.	1	1	HT106082AR	Transistor, 2SA608NP (E, F)	68		1	1	3	1 .		ZZ427Z1740	P.W.B Ass'y, Record
Q22 Q23	1	1	1	1		i	1	HT305362B0	Transistor, 2SC536NP (E, F)	68 68	1		1		1	1	ZZ427Z2740 ZZ427Z3740	P.W.B Ass'y, Record P.W.B Ass'y, Record
Q24	1	1	1	1	1	1	1	HT305362B0	Transistor, 2SC536NP (E, F)				ı					
Q25 Q26	1	1	1	1		1	1	HT305362B0 HT305362B0	Transistor, 2SC536NP (E, F) Transistor, 2SC536NP (E, F)	Q301	1	1	1	1	1	1	HF0000001R	Photo Transistor, PN150
027	1	1	1	1	1	1	1	HT305362B0	Transistor, 2SC536NP (E, F)				1	1				POSITION CIRCUIT
Q28 Q29	1	1	1	1	ı	1	1	HT305362B 0 HT305362B 0	Transistor, 2SC536NP (E, F) Transistor, 2SC536NP (E, F)									BOARD
Q30	1	1	1	1		- 1	1	HT305362B0	Transistor, 2SC536NP (E, F)	69-1	1	1	1		4 .	1	1	P.W.Board, Position
Q31	1	1	1	1	1	1	1	HT106082AR	Transistor, 2SA608NP (E, F)	69 69	1	1	1	1			ZZ427Z1750 ZZ427Z2750	P.W.B Ass'y, Position P.W.B Ass'y, Position
Q32	1	1	1	1		1	1	HT207642B0	Transistor, 2SB764 (E, F)	69	ļ `				1	1		P.W.B Ass'y, Position
Q33 Q34	1	1	1	1		1	1	HT106082AR HT106082AR	Transistor, 2SA608NP (E, F) Transistor, 2SA608NP (E, F)	C401	1	1	1	1	1	1	DK18103320	Ceramic 0.01µF+80, -20%
D01	1	1	1	1		1	1	HE200003AR	Diode, W02	R401	1	1	1	1	1	1	GD05162140	1.6KΩ 1/4W ±5%
D02	1	1	1	1	1	1	1	HD300006AR	Zener, GZA5.6Y	PC401	1	1	1	1	1	1	HW100001AR	Photo Unit, ON1128
D04 D06	1	1	1	1	1	1	1	HD20015030 HD20015030	Diode, DS135D Diode, DS135D	69-2	1	1	1 .	1		1 .		Connective Cord, 6P
D07	1	1	1	1		1	1	HD2001703R	Diode, DS-442					ĺ				
D08	1	1	1	1	- 1	1	1	HD300006AR HD2001703R	Zener, GZA5.6Y Diode, DS-442									POWER CIRCUIT
D09	1	1	1	1	- 1	1	1	HD300006AR	Zener, GZA5.6Y	70.4			1	1			VH42774760	BOARD P.W. Board, Power
D12	1	1	1	1	1	1	1	HD2001703R HD2001703R	Diode, DS-442 Diode, DS-442	70-1 70	1	1	- 1	- 1	1	1	ZZ427Z1760	P.W.B Ass'y, Power
D13	1	1	'	,		'	'	HD2001703N	Diode, 03-442	70	1				1	1	ZZ427Z2760	P.W.B Ass'y, Power P.W.B Ass'y, Power
D14	1	1	1	1		1	1	HD2001703R	Diode, DS-442	70					1	1		
LED	1	1	1	1		1	1	HI100017AR	L.E.D LN21RCPHL	∆ C501 ∆ C501	1	1	1	1		1	DF7610301R DF7610302R	Film 0.01µF 250V Film 0.01µF 125V
									MISCELLANEOUS	R501		1	1	1			GA05473010	47KΩ 1W ±5%
REL	1	1	1	1		1	1	LY212001AR	Relay, 12V	R501	1				1	1	GA05183010	18KΩ 1W ±5%
SW01	1	1	1	1		1	1	SS020302AR	Slide SW. Speed	<u>∧</u> sw501	1	1	1	1	1	1	SP01010660	Push SW. Power
SW02	4	4	4	4	1	4	4	SP01010700	Push SW. Repeat / Cue Start/Stop	∆ 70-2					1	1	FS100251AR	Fuse, 250mA
XTAL	1	1	1	1		1	1	FQ04003010	Ceramic Vi, CSB400P	70-3					2	2	YJ080004AR	JACK, Fuse Holder
								•										
									REMOTE CIRCUIT BOARD									NEON LAMP CIRCUIT
										71-1	1	1	1	,	1 1	1	YH427Z1770	P.W.Board, Neon Lamp
66-1	1	1	1	1	- 3	1	1	YH427Z1720 ZZ427Z1720	P.W.Board, Remote P.W.B Ass'y, Remote	71		1			i	'	ZZ427Z1770	P.W.B Ass'y, Neon Lamp
66 66	1	'	'	'				ZZ427Z2720	P.W.B Ass'y, Remote	71 71	1				1	1	ZZ427Z2770 ZZ427Z3770	P.W.B Ass'y, Neon Lamp P.W.B Ass'y, Neon Lamp
66						1	1	ZZ427Z3720	P.W.B Ass'y, Remote						'	1.		1
66-2	1	1	1	1		1	1	YB005003AR	Connective Cord, 4P	71-2 72	5	1 5				1 5		Lamp, Neon Clamper
									PHONO CIRCUIT BOARD	<u>∧</u> 73	1		1				YC022001AR	AC Power Cord
										<u>∧</u> 73 <u>∧</u> 73			1				YC024002AR YC024003AR	
67-1	1	1	1		- 1	1	1	YH427Z1730 ZZ427Z1730	P.W.Board, Phono P.W.B Ass'y, Phono	<u>∧</u> 73					1	1	YC022002AR	AC Power Cord
67 67	1	1	1	1				ZZ427Z2730	P.W.B Ass'y, Phono	74 74	1	1	1	1	1	1	YB012002AR YB012003AR	
67					1	1	1	ZZ427Z3730	P.W.B Ass'y, Phono	75	1		1	1	1	1	MM005002AF	DC Motor, Arm Lift
										76	1	1	1	1	1	1	MM005003AF	DC Motor, Tracking
		1								1	1	L		1	1		J	

PARTS LIST

													(C): for Canada						
REF. DESIG.)'T	_	•		C	PART NO.	DESCRIPTION	REF. DESIG	E	N	0′1	ΓY · A	Ti		С	PART NO.	DESCRIPTION
		N	T	Α	U	+	-						1	 	-	-			· ·
77	1	1	1	1	1	1	1	PM233008AR	Phono Motor	171 172	1	1	1	- (ı	1	1	427Z861030 2112265010	Label Indicator, Factory No.
IC01	1	1	1	1	1	1	1	HC406620B0	IC, M4066BP	174	1	1	1	1		1	1	427Z861050	Label
1001		'	'	'				1101000200	,	174	'	'				1	.	427Z861060	Label
0.01	1	1	1	1	1		1	HT106951ER	2SA695 (E)	175			1					427Z861070	Label
Q02	1	1	1	1	1		1	HT106951ER	2SA695 (E)	176			1			- 1	1	427Z861080	Label
0.03	1	1	1	1	1		1	HT106951ER HT323201F0	2SA695 (E) 2SC2320 (F)	177			1					427Z861090	Label, Caution
Q04 Q05	1	1	1	1	1		1	HT323201F0	2SC2320 (F)	178 179	1						1	427Z861110 427Z861120	Label
Q06	1	1	1	1	1	- 1	1	HT323201F0	2SC2320 (F)	180	'				1	1	1	427Z861120	Label Label
Q07	1	1	1	1	1		1	HT323201F0	2SC2320 (F)	1	ĺ					.		12/2001100	Label
208	1	1	1	1	1		1	HT107981G0	2SA798 (G)	181						2		427Z861140	Label
D01	1	1	1	1	1		1	HD200001AR	Diode, US1040	182						1		427Z861150	Label
D02	1	1	1	1	1	- 1	1	HD200001AR	Diode, US1040	183						1	1	427Z956010	Hang Tag
D03	1	1	1	1	1	- 1	1	HD200001AR	1	184	1		1	1 [. [ĺ	ļ	9526019060	Serial No. Label
										184 184		1			1	1	1	9526019030 9526019010	Serial No. Label
ZD01	1	1	1	1	1		1	HD30021060	Zener, RD5.1EB2	184						'	1	9526019010	Serial No. Label Serial No. Label
VR33	1	1	1	1	1		1	RA01030800	Trimming, 10KΩ	185	1	1	-	1 .	1	1	1	427Z252030	Pad
VR45	1	1	1	1	1		i	RA01030800	Trimming, 10KΩ	186	1	1	1	1 -	- 1	- 1	1	427Z252040	Pad
	,	ľ			'					187	1	1	1	1	1			427Z851020	Instructions, Spec Fly Sheet
LR01	1	1	1	1	1	- 1	1	NB5562230R	Resistor, 5.6KΩ 1/4W										
LR02	1	1	1	1	1		1	NB5362230R	Resistor, 3.6K \$2 1/4W	200	2	2			2	2	2	427Z010030	Screw $\phi 2 \times 10$
					١.			151400001AD	1	201	1	1	1	- 1	- 1	1	1	427Z010040	Screw φ3 x 10
78	1	1	1	1 2			1 2	IN128001AR SM010205AR	Lamp Mini Switch	202	1	1	1		. 1	1	1	51440306A9	L. Washer Screw P3 x 6
79 ∆ 80	2	2	2	12	1	-	-	TS100014AR	Power Transf.	203	1 18	1 18	- 1	1 1 8 1		1	1 1 Q	427Z010050 427Z010070	Screw M3 x 25 Screw ϕ 3 x 8
1 80 1 1 1 1		1	1	1				TS100015AR	Power Transf.	206	7	5		5 5		5		427Z010070	Screw φ3 x 8 Screw φ3 x 10
∆ 80					1	1		TS100016AR	Power Transf.	207	10		1	0 1				427Z010090	Screw φ3 x 12
∆ 80	1							TS100017AR	Power Transf.	208	2	2	12	2 2	2	2	2	427Z010100	Screw φ3 x 8
№ 80	1	1	1	}.			1	TS100018AR	Power Transf.	209	6	2		2 2		2	2	427Z010110 427Z010120	Screw φ3 x 8
									[210	8	0	1	1	1	١	٥	42/2010120	Screw $\phi 3 \times 8$
81	1	1	1	1	١.			427Z107010	Sheet, Turntable	211	1	1	1	1 1		1	1	427Z010130	Screw φ3 x 10
81	1	1	1	1	1		1	427Z107020 427Z053080	Sheet, Turntable Cover, Rec. Size	212	5	5	9		5	5	i	427Z010140	Screw $\phi 3 \times 10$
82 ∆ 83	1	']'	1'	'	1	'	BY050501AR	Voltage Selector	213	1	1	1	- 1	- 1	- 1	1	427Z010150	Screw φ3 x 12
84	1	1	1	1	1		1	427Z362010	Rec. Adaptor	214 215	1	1 3	3					427Z010160	Screw φ3 x 16
85	1	1	1	1	1		1	427Z129500	Terminal K	216	3	1	1			3		427Z010170 54040402A0	Screw $\phi 4 \times 10$ Spring Washer 4ϕ
								4077004040		217	1	1	1			- 1		53110403A9	Hexagon Nut M4
150	1	1	1	1	1		1	427Z801010 427Z801020	Packing Case	218	1	1	1	1	ij	1		54020301A0	Flat Washer P φ3
150 151	1.	1	1	1	1		1	427Z809030	Packing Case Cushion, Front	220	1	1	1		ŧ	1		64000200R0	RG Ring, E Type φ2
152	1	1		1 1	ì		1	427Z809040	Cushion, Rear	221	1	1	1	1		1	1	64000300R0	RG Ring, E Type φ3
153	1	1	1	1	1	1	1	427Z807010	Reinforcement	222	2	2	2	,	2	2	2	427Z010210	Screw $\phi 2 \times 12$
154	1	1	1		1		1	427Z252020	Pad, Tonearm	222	-	-	1	- -	-	-	-	4272010210	Screw #2 x 12
155	3	3	3				3	427Z118020 427Z010190	Spacer Screw, Transit										
156 157	3	2	2				2	427Z055010	Collar										
158	2			2			2	427Z010200	Screw, Transit										
				1				7004000045		1									
159	1	1	1	1	1	1	1	ZD010002AR 427Z107030	Connective Cord Sheet			<u> </u>	1		\perp				
160 161	1	1	1	1		1	1	427Z811010	Polyethy Bag										
162	1	1	1	1	1	1	1	427Z811020	Polyethy Bag	(W	01-9	9)		1	As	sser	nb	ly and Wiring	
163	1	1	1	1	1		1	427Z811030	Polyethy Bag	177	1-9	Q١			۸-	di	.+	nent	
164	1	1	1	1				427Z851310	Instructions	'''	, 1-3	3)			A	aju:		16111	
164	1				1	. 1	1	427Z851210	Instructions (Safety Inst.)	(X	01-0	0)			Сс	orre	cti	on	
165 166	1					1		427Z851010 427Z854010	Instructions, (Safety Inst.) Guarantee Card (U.S.A.)										
167					1		1	427Z854020	Guarantee Card (CANADA)	11 T									
				İ						Make sure that only replacement parts recommend-									
168		1			İ			427Z203010	Name Plate	ed by the manufacturer should be used when the									
168					1	1		427Z203040	Name Plate	parts marked '''' in schematic diagram are exchanged.									
168			1	1				427Z203020 427Z203030	Name Plate Name Plate						t c		-1	o lookaas s	irrant or resistants
168 168	1						1	427Z203030 427Z203050	Name Plate										rrent or resistance the appliance to the
169	1	1	1	1		1	1	427Z861010	Label										at exposed parts are
170	1	1	1	,	1		1	427Z861020	Label										
L	1	1	1	ـــــ	1	_			L	acceptably insulated from the supply circuit.									